

Los Angeles Mommy and Baby (LAMB) Survey

2007 Survey Data

By Race/Ethnicity,
Service Planning Area &
Supervisorial District

Los Angeles County Department of Public Health
Maternal Child and Adolescent Health Programs



About LAMB

The Los Angeles Mommy and Baby (LAMB) Project is a public health surveillance project developed by the Maternal, Child, and Adolescent Health Programs of Los Angeles County in 2005. The LAMB Project collects countywide population-based data on the attitudes and experiences women had before, during, and shortly after their most recent pregnancy.

The LAMB Project was first implemented in 2004 in Antelope Valley to address the high infant mortality rate observed in that region of Los Angeles County. The LAMB Project provided information on the risk factors and potential causes of infant mortality for women in the Antelope Valley. Since 2005, the project has been expanded to cover all of Los Angeles County, collecting data every other year. The purpose of LAMB is to improve the health of mothers and infants by reducing adverse birth outcomes and the risk factors that lead to high rates of low birth weight, pre-term births, and infant and maternal mortality and morbidity. LAMB provides data for County health officials and community partners to use in order to make decisions designed to improve the health of mothers and infants. LAMB allows the Department of Public Health of Los Angeles County to monitor trends over time and examine changes in maternal and child health indicators, including: rates of unintended pregnancy, prenatal care, smoking and drinking during pregnancy, breast-feeding, well-baby checkups, infant illnesses, baby's sleep position, and exposure to secondhand smoke. LAMB data provides a context in which to better interpret the information from birth certificates used to plan state and local maternal, child, and infant health programs. For more information about LAMB, please visit us at: www.LALAMB.org.

Use of 2007 LAMB Data Book

The data book presents findings from the 2007 LAMB project. The 2007 LAMB Project surveyed 6,264 eligible respondents, which represented 151,813 live births born in Los Angeles County during 2007. The data are weighted by the respondents' selection probability, which allows the prevalence reported in this document to represent the entire population of mothers who had a live birth in the County of Los Angeles in the year 2007.

Research has indicated that various maternal behaviors and experiences before, during, and after pregnancy influence birth outcomes. Through the release of this report, the Maternal, Child, and Adolescent Health Program hopes that these data can be used to monitor and assess trends, to plan and evaluate programs, and to direct policy decisions, with the ultimate goal to improve the health of mothers and infants in Los Angeles County. The LAMB Project recommends that readers review the Technical Notes section of this report, which includes the methodology and details of the sampling, data weighting, response rate, strengths and limitations of the data, and a glossary of maternal and infant health terms.

The 2007 LAMB Data Book covers a wide range of health topics, including:

- Preconception health (health before pregnancy)
- Prenatal care and maternal medical conditions during pregnancy
- Psychosocial conditions during pregnancy
- Behavioral risk factors
- Postpartum care and Infant health

Each section of the report contains tables displaying estimates by race/ethnicity, Service Planning Area (SPA), and Supervisorial District. In every table, County-level estimates are provided so that comparisons may be made between subpopulations and the County total.

To address uncertainty about each estimate, the Relative Standardized Error (RSE) was calculated to determine the stability of each estimate. An asterisk (*) next to an estimate cautions the reader that the estimate is statistically unstable and therefore may not be appropriate to use for planning or policy purposes.

Selected Demographic Indicators

	Los Angeles County (%)
Mother's Race/Ethnicity	
White	16.9%
Latina	63.1%
African American	7.5%
Asian/Pacific Islander	11.2%
Native American	0.8%
Maternal Age	
<20	9.4%
20-24	22.1%
25-34	50.0%
35+	18.5%
Mother's Years of Education	
<12	31.7%
=12	25.8%
>12	42.5%
Mother's Marital Status When Baby Was Born	
Married	55.6%
Not married	44.4%
Language(s) Usually Spoken at Home	
English	65.4%
Spanish	50.5%
Aisan Language	7.0%
Not English	4.9%
Household Income	
<\$20,000	41.0%
\$20,000 - \$39,999	21.8%
\$40,000 - \$59,999	9.0%
\$60,000 - \$99,999	11.0%
\$100,000 and more	11.0%
Preterm/Low Birth Weight	
Preterm	11.4%
Low Birth Weight	7.4%

Pre-pregnancy Health by Race/Ethnicity

	Los Angeles County	White	Latina	African-American	Asian Pacific Islander
	(%)	(%)	(%)	(%)	(%)
Access to Health Care Before Pregnancy					
Uninsured	36.7	13.2	48.3	21.5	19.8
On Medi-Cal	21.4	8.8	24.7	34.9	12.8
Preconception Health Behaviors and Experiences					
No preconception health counseling ¹	70.7	60.0	74.9	72.8	63.9
Not taking a multivitamin	54.4	35.3	61.7	53.7	43.5
Lack of folic acid knowledge	42.5	26.4	47.4	47.0	38.4
Did not have enough money for food	6.7	2.5	8.1	10.1	2.4
Smoked in the 6 months before pregnancy	9.6	16.6	6.8	17.4	9.2
Family Planning Practices					
Unwanted pregnancy/mistimed by mother ²	53.4	33.6	60.0	64.4	40.5
Unwanted pregnancy by partner ³	34.1	23.7	37.6	44.3	25.1
Used birth control when became pregnant	43.3	41.6	43.5	46.2	42.9
Received fertility treatment	4.0	5.8	3.0	*1.9	8.0
Ever used emergency contraception	10.4	13.7	9.6	12.6	7.4
Preconception Health Conditions					
Overweight/Obese	38.3	33.3	42.5	47.2	17.0
Asthma	5.2	6.4	4.3	12.4	3.4
High blood pressure	3.7	1.8	4.1	6.2	2.7
Diabetes	3.3	*1.5	3.7	*2.4	4.3
Anemia	12.1	6.9	12.9	20.9	9.0
Periodontal disease	12.5	8.4	14.0	14.3	10.1
Obstetric History					
Previous preterm birth	8.9	6.4	9.6	10.1	7.4
Previous low birth weight	7.4	5.3	8.0	9.9	6.1
Still birth (pregnancy that did not result in a live birth)	2.1	*1.2	2.4	2.5	*1.8
Previous miscarriage	17.7	26.9	14.2	25.1	15.8
Previous abortion	17.0	23.6	12.0	35.6	19.7

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

¹Question asked: During the six months before you got pregnant with your new baby, did you talk to a doctor, nurse, or other health care worker about how to prepare for a healthy baby and pregnancy?

²Question asked: Thinking back to just before you got pregnant with your new baby, how did you feel about becoming pregnant? Respondents who answered, 'I wanted to be pregnant later' or 'I didn't want to be pregnant then or any time in the future' were coded as 'Unwanted or mistimed.'

³Question asked: Just before you got pregnant with your new baby, how did your husband or partner feel about you becoming pregnant? Respondents who answered, 'He wanted me to be pregnant later' or 'He didn't want me to be pregnant then or any time in the future' were coded as 'Unwanted pregnancy by father.' Respondents who answered 'I don't know' or 'I didn't have a husband or partner' were coded missing for this field.

Prenatal Care and Maternal Risk Factors during Pregnancy by Race/Ethnicity

	Los Angeles County	White	Latina	African-American	Asian Pacific Islander
	(%)	(%)	(%)	(%)	(%)
Prenatal Care					
Entered prenatal care after 1st trimester	10.1	6.8	10.8	13.1	9.1
Did not get prenatal care as early as wanted	15.6	13.3	15.6	19.6	16.2
Traveled 15 miles or more for prenatal care	12.4	12.1	11.8	15.6	14.5
Prenatal care did not meet PHS guidelines ⁴	35.0	32.6	36.3	27.5	36.5
Dissatisfied with amount of wait time at prenatal care	18.7	18.5	18.1	16.2	23.2
Dissatisfied with amount of time spent with doctor/nurse	11.4	10.4	11.9	9.0	12.0
Dissatisfied with advice given at prenatal care	7.7	6.9	7.8	6.9	8.5
Dissatisfied with understanding/respect received	4.3	5.1	4.2	4.4	3.7
Medical Conditions During Pregnancy					
Labor pain 3 weeks before due date	16.3	13.2	17.3	18.7	12.8
High blood pressure	10.8	10.1	10.7	18.3	6.4
Gestational diabetes	12.0	8.4	12.2	10.0	17.1
Problems with the placenta	3.6	5.2	2.9	3.9	4.1
Urinary tract infection	9.2	10.4	9.2	10.9	5.4
Water broke more than 3 weeks early	5.2	3.8	5.4	5.3	5.7
Incompetent cervix	3.3	*1.0	4.5	2.8	*1.5
Sexually transmitted disease	3.5	1.9	3.9	6.6	*1.8
Bacterial vaginosis	13.4	8.7	15.1	15.8	11.1
Periodontal disease	18.9	16.2	20.2	19.7	15.3
Risk Behaviors During Pregnancy					
Smoking	2.6	4.8	1.5	8.2	1.8
Exposure to secondhand smoke	6.3	6.2	5.4	13.9	6.6
Using illegal drugs or drugs not prescribed by a doctor	2.4	3.0	1.9	5.2	*1.7
Drinking alcohol	10.5	20.8	7.5	12.1	10.5
Did not exercise during pregnancy	28.6	31.6	26.4	36.8	31.6

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purpose.

⁴Question asked: During your first or second prenatal care visit, were these part of your visit? Blood pressure measured, urine sample given, blood sample taken, height and weight measured, had pelvic exam, health history taken, ultrasound done, doctor asked about prenatal lead exposure. Those who responded "No" to any of the first six items were recoded as "PHS guidelines not met."

Psychosocial and Behavioral Risk Factors during Pregnancy by Race/Ethnicity

	Los Angeles County	White	Latina	African-American	Asian Pacific Islander
	(%)	(%)	(%)	(%)	(%)
Mental Health During Pregnancy					
Self reported depression	19.9	10.0	24.0	19.7	12.7
Social Support					
Unsatisfied with support given by the baby's father	12.0	7.5	12.3	25.4	7.8
Experienced domestic violence/intimate partner abuse ⁵	3.4	2.2	3.6	6.8	*1.2
Would have someone to loan money if needed	58.3	68.1	54.0	63.5	65.4
Would have someone to help if sick	72.9	84.4	67.1	81.0	83.2
Would have someone to listen to problems	75.7	89.1	69.7	84.4	84.2
Social Environment					
Perceived neighborhood as unsafe ⁶	16.5	10.5	18.8	21.6	10.5
Stressful Life Events During Pregnancy					
Family member had to go into the hospital	17.3	19.0	17.1	21.7	12.3
Divorced/separated from husband/partner	9.2	5.9	10.1	17.9	3.0
Moved to a new address	21.2	17.9	21.8	28.7	17.2
Were homeless	5.7	2.0	7.1	10.1	*0.7
Husband/partner lost his/her job	13.8	9.4	15.6	16.2	9.7
Lost job but wanted to continue working	11.6	6.4	13.4	16.2	6.3
Argued more than usual with husband/partner	30.4	24.9	31.2	43.5	24.7
Had a lot of bills that could not be paid	22.4	16.4	24.3	33.2	12.7
Were in a physical fight	3.9	2.3	4.0	8.7	2.6
Husband/partner or self went to jail	4.0	3.1	3.7	11.0	1.8
Someone close had drinking or drug problems	10.7	11.1	11.0	15.3	4.8
Someone close and important died	13.2	10.3	13.6	20.3	10.5
Reported Ever Experiencing Discrimination					
Any discrimination	32.2	29.1	31.3	47.9	32.4
At work	13.5	15.0	12.4	18.5	13.1
When getting medical care	6.4	5.4	6.8	8.5	5.0
When getting housing	7.0	5.9	6.6	17.2	5.4
Because of race/color	12.9	8.4	10.4	35.8	19.5
Because of gender	7.5	12.7	4.7	16.4	8.5
Because of pregnancy	14.0	13.6	14.1	19.8	9.2

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

⁵Question asked: During your last pregnancy, did the baby's father do any of the following for you? Hit or slap you when he was angry.

⁶Question asked: How would you perceive this neighborhood in terms of its safety from violence? Respondents who answered "Very Poor" or "Poor" were recoded to "Neighborhood Unsafe."

Postpartum Health By Race/Ethnicity

	Los Angeles County	White	Latina	African-American	Asian Pacific Islander
	(%)	(%)	(%)	(%)	(%)
Maternal Postpartum Health					
Had a postpartum check-up	91.5	92.2	91.5	87.2	92.7
Family planning discussed during check-up	89.8	91.4	89.9	92.9	84.3
Self-reported Postpartum Depression⁷					
Not at all depressed	41.9	43.8	41.6	41.9	40.3
A little depressed	41.1	40.1	41.1	37.3	44.9
Moderately depressed	12.0	11.8	11.9	14.5	11.2
Very depressed	5.0	4.3	5.4	6.3	3.7
Infant Health					
Had a well-baby check-up	98.3	99.2	97.8	98.9	99.4
Breastfeeding Practice					
Any breastfeeding	85.2	89.8	83.4	79.4	91.7
Baby's Sleep Environment					
Sleeps on his/her side	29.0	15.1	34.3	25.2	24.9
Sleeps on his/her back	65.3	77.8	62.2	56.5	68.0
Sleeps on his/her stomach	5.7	7.1	3.5	18.3	7.1
Ever slept with another person ⁸	79.1	67.1	80.3	87.6	85.3

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

⁷Questions in this section were only asked survey versions used in Waves 2-4.

⁸Question asks: How often does your new baby sleep in the same bed with you or anyone else? Those who responded "Always", "Frequently", or "Sometimes" were recoded as "Ever slept with another person."

Pre-pregnancy Health by Service Planning Area

	Los Angeles County	SPA 1 - Antelope Valley	SPA 2 - San Fernando	SPA 3 - San Gabriel	SPA 4 - Metro	SPA 5- West	SPA 6 - South	SPA 7 - East	SPA 8 - South Bay/ Harbor
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Access to Health Care Before Pregnancy									
Uninsured	36.7	27.9	35.9	32.6	43.7	23.1	46.0	36.9	34.8
On Medi-Cal	21.4	26.4	15.9	19.5	19.6	10.7	33.7	18.2	24.4
Preconception Health Behaviors and Experiences									
No preconception health counseling ¹	70.7	74.6	68.1	73.6	66.0	60.1	76.6	71.7	69.8
Not taking a multivitamin	54.4	54.3	49.2	54.0	54.4	37.8	63.8	57.7	53.9
Lack of folic acid knowledge	42.5	44.1	38.1	41.3	40.9	29.5	52.6	41.4	45.7
Did not have enough money for food	6.7	9.4	5.8	5.7	6.4	*5.0	11.3	4.5	6.3
Smoked in the 6 months before pregnancy	9.6	18.4	10.0	8.1	10.5	8.1	8.8	9.4	9.3
Family Planning Practices									
Unwanted pregnancy/mistimed by mother ²	53.4	58.1	49.5	50.9	53.3	40.5	60.8	55.6	54.9
Unwanted pregnancy by partner ³	34.1	37.4	33.5	30.3	33.8	29.5	36.8	34.8	36.8
Using birth control when they became pregnant	43.3	42.5	43.4	42.0	45.2	44.0	43.5	43.3	43.3
Received fertility treatment	4.0	*3.0	4.2	3.7	4.3	7.6	3.5	3.4	4.2
Ever used Emergency contraception	10.4	5.7	11.4	10.1	14.3	13.8	8.4	10.0	9.5
Preconception Health Conditions									
Overweight/Obese	38.3	44.1	34.7	40.4	31.2	25.9	42.0	43.7	39.2
Asthma	5.2	6.9	4.2	5.7	*3.3	*3.5	6.9	5.9	4.8
High blood pressure	3.7	4.3	3.8	2.7	*3.4	*2.1	5.4	2.8	4.3
Diabetes	3.3	*2.4	3.7	2.9	3.8	*2.2	4.0	*2.3	3.8
Anemia	12.1	16.8	11.7	10.5	11.4	6.8	16.8	10.8	11.5
Periodontal disease	12.5	13.3	14.6	9.3	14.9	10.9	15.1	11.7	10.3

Pre-pregnancy Health by Service Planning Area

	Los Angeles County	SPA 1 - Antelope Valley	SPA 2 - San Fernando	SPA 3 - San Gabriel	SPA 4 - Metro	SPA 5- West	SPA 6 - South	SPA 7 - East	SPA 8 - South Bay/ Harbor
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Cont'd									
Obstetric History									
Previous preterm birth	8.9	9.9	8.0	9.1	7.4	*4.8	10.7	9.5	9.3
Previous low birth weight	7.4	8.3	7.9	6.6	6.9	*2.3	8.4	8.2	7.8
Previous cesarean section									
Still birth (pregnancy that did not result in a live birth)	2.1	*1.0	*1.6	2.5	*2.4	*1.1	*2.0	*2.9	2.0
Previous miscarriage	17.7	21.3	17.4	19.7	14.4	22.8	13.2	20.4	17.1
Previous abortion	17.0	18.0	17.3	17.5	17.3	21.8	14.8	18.1	14.9

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

¹Question asked: During the six months before you got pregnant with your new baby, did you talk to a doctor, nurse, or other health care worker about how to prepare for a healthy baby and pregnancy?

²Question asked: Thinking back to just before you got pregnant with your new baby, how did you feel about becoming pregnant? Respondents who answered, 'I wanted to be pregnant later' or 'I didn't want to be pregnant then or any time in the future' were coded as 'Unwanted or mistimed.'

³Question asked: Just before you got pregnant with your new baby, how did your husband or partner feel about you becoming pregnant? Respondents who answered, 'He wanted me to be pregnant later' or 'He didn't want me to be pregnant then or any time in the future' were coded as 'Unwanted pregnancy by father.' Respondents who answered 'I don't know' or 'I didn't have a husband or partner' were coded missing for this field.

Prenatal Care and Maternal Risk Factors during Pregnancy by Service Planning Area

	Los Angeles County	SPA 1 - Antelope Valley	SPA 2 - San Fernando	SPA 3 - San Gabriel	SPA 4 - Metro	SPA 5- West	SPA 6 - South	SPA 7 - East	SPA 8 - South Bay
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Prenatal Care									
Entered prenatal care after 1st trimester	10.1	19.9	9.5	9.5	9.0	5.6	11.5	10.8	9.2
Did not get prenatal care as early as wanted	15.6	30.2	12.2	17.3	11.6	11.3	14.7	19.3	15.5
Traveled 15 miles or more for prenatal care	12.4	23.6	14.9	11.3	8.7	8.8	15.4	11.0	10.0
Did not meet the PHS prenatal care guidelines ⁴	35.0	37.7	36.5	36.2	34.7	29.8	35.3	34.1	33.6
Dissatisfied with amount of wait time at prenatal care	18.7	24.5	17.7	15.6	20.5	19.1	19.3	19.2	18.9
Dissatisfied with amount of time spent with doctor/nurse	11.4	17.6	11.0	12.0	10.6	10.1	10.1	11.4	11.7
Dissatisfied with advice given at prenatal care	7.7	11.2	7.0	8.2	7.3	7.8	7.0	7.2	8.3
Dissatisfied with understanding/respect received	4.3	7.0	4.3	3.7	4.7	*1.4	4.8	2.6	5.7
Medical Conditions During Pregnancy									
Labor pain 3 weeks before due date	16.3	23.0	15.0	15.0	16.8	11.8	17.8	15.9	17.3
High blood pressure	10.8	11.6	10.7	10.7	10.5	10.2	12.9	9.3	10.3
Gestational diabetes	12.0	14.1	12.4	11.8	11.1	14.1	12.3	10.5	12.2
Problems with the placenta	3.6	*4.0	4.6	3.3	2.8	4.1	*1.4	4.8	3.9
Urinary tract infection	9.2	12.4	10.4	8.7	7.7	5.9	9.9	8.7	8.9
Water broke more than 3 weeks early	5.2	6.2	4.9	5.2	5.3	4.1	5.0	5.2	5.5
Incompetent cervix	3.3	*2.7	3.1	2.9	*2.5	*2.7	4.4	3.1	4.5
Sexually transmitted disease	3.5	4.4	2.6	3.1	4.2	*2.2	5.6	3.5	2.5
Bacterial vaginosis	13.4	12.0	13.9	11.6	13.0	11.6	16.2	15.5	11.7
Periodontal disease	18.9	21.4	20.8	16.3	24.3	16.2	18.8	17.7	17.1

Prenatal Care and Maternal Risk Factors during Pregnancy by Service Planning Area

	Los Angeles County	SPA 1 - Antelope Valley	SPA 2 - San Fernando	SPA 3 - San Gabriel	SPA 4 - Metro	SPA 5- West	SPA 6 - South	SPA 7 - East	SPA 8 - South Bay
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Cont'd									
Risk Behaviors During Pregnancy									
Smoking	2.6	6.2	2.0	2.1	3.2	*1.5	3.7	*1.6	2.8
Exposure to secondhand smoke	6.3	10.9	5.6	5.3	6.3	3.6	9.0	5.8	5.9
Using illegal drugs or drugs not prescribed by a doctor	2.4	*1.7	1.7	3.2	3.0	*1.5	3.2	*2.0	*1.7
Drinking alcohol	10.5	9.0	11.0	10.9	12.6	20.7	7.9	9.5	8.8
Did not exercise during pregnancy	28.6	32.6	31.0	30.4	27.4	27.0	26.7	28.7	25.3

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

⁴Question asked: During your first or second prenatal care visit, were these part of your visit? Blood pressure measured, urine sample given, blood sample taken, height and weight measured, had pelvic exam, health history taken, ultrasound done, doctor asked about prenatal lead exposure. Those who responded "No" to any of the first six items were recoded as "PHS guidelines not met."

Psychosocial and Behavioral Risk Factors during Pregnancy by Service Planning Area

	Los Angeles County (%)	SPA 1 - Antelope Valley (%)	SPA 2 - San Fernando (%)	SPA 3 - San Gabriel (%)	SPA 4 - Metro (%)	SPA 5- West (%)	SPA 6 - South (%)	SPA 7 - East (%)	SPA 8 - South Bay/ Harbor (%)
Mental Health During Pregnancy									
Self reported depression ⁵	19.9	24.2	17.7	17.6	20.3	13.9	25.8	20.2	19.7
Social Support									
Dissatisfied with support given by the baby's father	12.0	15.3	10.6	13.6	13.6	7.5	13.4	10.5	11.5
Experienced domestic violence/intimate partner abuse ⁵	3.4	5.4	2.2	3.5	4.8	*2.3	4.9	2.4	3.0
Would have someone to loan money if needed	58.3	62.2	58.9	63.0	56.3	59.1	51.1	60.2	57.8
Would have someone to help if sick	72.9	74.4	73.2	77.7	72.8	76.9	65.8	70.9	74.6
Would have someone to listen to problems	75.7	75.0	76.3	80.1	73.5	82.1	67.8	76.5	77.2
Social Environment									
Perceived neighborhood as unsafe ⁶	16.5	19.8	11.7	10.9	19.1	6.0	33.6	11.1	17.9
Stressful Life Events During Pregnancy									
Family member had to go into the hospital	17.3	21.6	17.0	16.2	16.2	16.6	17.5	19.3	16.6
Divorced/separated from husband/partner	9.2	11.8	8.4	8.3	10.5	3.4	11.4	9.2	9.2
Moved to a new address	21.2	26.2	19.3	24.6	18.7	15.7	22.6	18.5	23.1
Were homeless	5.7	7.1	5.3	4.9	5.7	*2.9	8.2	4.6	6.4
Husband/partner lost his/her job	13.8	16.4	13.1	12.6	13.5	9.4	18.3	12.2	14.2
Lost job but wanted to continue working	11.6	14.9	9.8	9.0	12.8	8.8	15.9	11.3	11.8
Argued more than usual with husband/partner	30.4	34.3	28.5	29.7	31.0	23.7	32.9	33.1	29.0
Had a lot of bills that could not be paid	22.4	29.6	22.0	22.1	20.6	13.1	25.7	24.0	20.6
Were in a physical fight	3.9	4.9	3.0	4.3	4.3	*3.7	4.4	4.3	3.1
Husband/partner or self went to jail	4.0	5.2	3.2	4.2	2.9	*2.1	5.3	4.9	4.0
Someone close had drinking or drug problems	10.7	16.7	8.8	12.3	10.4	7.1	12.3	11.1	9.1
Someone close and important died	13.2	16.1	12.9	11.0	14.2	11.9	14.5	12.8	14.1

Psychosocial and Behavioral Risk Factors during Pregnancy by Service Planning Area

	Los Angeles County (%)	SPA 1 - Antelope Valley (%)	SPA 2 - San Fernando (%)	SPA 3 - San Gabriel (%)	SPA 4 - Metro (%)	SPA 5- West (%)	SPA 6 - South (%)	SPA 7 - East (%)	SPA 8 - South Bay/ Harbor (%)
Cont'd									
Reported Ever Experiencing Discrimination									
Any discrimination	32.2	36.3	32.9	30.2	33.6	39.9	32.0	30.0	31.1
At work	13.5	15.9	13.4	13.1	13.2	18.1	14.8	10.7	13.3
When getting medical care	6.4	13.2	6.9	5.5	7.1	*3.6	5.8	5.6	6.6
When getting housing	7.0	10.7	6.7	5.4	9.1	6.7	7.3	5.0	8.6
Because of race/color	12.9	16.0	14.1	12.8	13.5	18.4	10.9	9.7	13.6
Because of gender	7.5	10.4	8.6	7.0	8.5	12.3	6.8	5.4	6.5
Because of pregnancy	13.8	16.2	13.2	12.7	14.8	16.2	14.9	13.8	12.6

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

⁵Question asked: During your last pregnancy, did the baby's father do any of the following for you? Hit or slap you when he was angry.

⁶Question asked: How would you perceive this neighborhood in terms of its safety from violence? Respondents who answered "Very Poor" or "Poor" were recoded to "Neighborhood Unsafe."

Postpartum Health by Service Planning Area

	Los Angeles County (%)	SPA 1 - Antelope Valley (%)	SPA 2 - San Fernando (%)	SPA 3 - San Gabriel (%)	SPA 4 - Metro (%)	SPA 5- West (%)	SPA 6 - South (%)	SPA 7 - East (%)	SPA 8 - South Bay (%)
Maternal Postpartum Health									
Had a postpartum check-up	91.5	86.5	92.0	91.8	93.5	95.9	88.6	92.5	90.9
Family planning discussed during check-up	89.8	89.1	92.4	86.4	88.4	91.8	90.8	90.3	89.2
Self-reported Postpartum Depression⁷									
Not at all depressed	41.9	40.5	42.3	40.7	41.0	40.5	42.5	40.5	45.2
A little depressed	41.1	37.9	42.1	42.1	43.6	47.3	41.0	40.0	36.7
Moderately depressed	12.0	15.6	10.7	12.4	10.1	10.0	10.9	13.5	13.7
Very depressed	5.0	6.0	4.9	4.8	5.3	*2.3	5.5	6.0	4.3
Infant Health									
Had a well-baby check-up	98.3	97.2	99.3	98.1	98.8	98.8	97.2	98.2	98.1
Breastfeeding Practice									
Any breastfeeding	85.2	85.1	88.1	84.3	87.8	95.1	80.6	82.6	84.4
Baby's Sleep Environment									
Sleeps on his/her side	29.0	26.1	28.4	25.9	34.0	19.8	34.1	25.8	31.6
Sleeps on his/her back	65.3	67.5	64.6	68.2	61.6	73.7	60.9	67.9	64.1
Sleeps on his/her stomach	5.7	6.4	7.0	5.9	4.4	6.5	5.1	6.3	4.3
Ever slept with another person ⁸	79.1	76.4	77.6	78.8	84.1	78.7	85.2	75.1	76.2

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

⁷Questions in this section were only asked survey versions used in Waves 2-4.

⁸Question asks: How often does your new baby sleep in the same bed with you or anyone else? Those who responded "Always", "Frequently", or "Sometimes" were recoded as "Ever slept with another person."

Pre-pregnancy Health by Supervisorial District

	Los Angeles County	First District	Second District	Third District	Fourth District	Fifth District
	(%)	(%)	(%)	(%)	(%)	(%)
Access to Health Care Before Pregnancy						
Uninsured	36.7	41.4	44.4	36.6	31.6	26.6
On Medi-Cal	21.4	22.6	27.4	16.7	20.5	16.6
Preconception Health Behaviors and Experiences						
No preconception health counseling ¹	70.7	73.8	73.7	69.0	67.8	68.0
Not taking a multivitamin	54.4	60.4	60.3	47.6	51.6	48.6
Lack of folic acid knowledge	42.5	44.8	47.5	36.5	43.0	38.0
Did not have enough money for food	6.7	5.2	9.2	5.3	6.0	6.7
Smoked in the 6 months before pregnancy	9.6	8.6	8.4	9.1	10.0	12.6
Family Planning Practices						
Unwanted/mistimed pregnancy by mother ²	53.4	56.7	58.8	49.7	52.8	46.5
Unwanted pregnancy by partner ³	34.1	33.0	36.8	32.5	35.4	31.5
Used birth control when they became pregnant	43.3	44.9	44.2	44.5	41.7	41.1
Ever Used Emergency Contraception	10.4	11.3	9.8	12.9	9.6	9.1
Received fertility treatment	4.0	3.3	3.6	4.7	4.6	4.1
Preconception Health Conditions						
Overweight/obese	38.3	40.2	38.1	33.7	41.3	37.4
Asthma	5.2	4.9	5.8	3.4	5.3	6.1
High blood pressure	3.7	2.6	4.3	3.9	4.5	2.9
Diabetes	3.3	3.5	4.0	3.6	3.0	2.2
Anemia	12.1	12.0	13.7	10.8	11.5	11.6
Periodontal disease	12.5	10.9	13.7	14.5	11.6	11.8

Pre-pregnancy Health by Supervisorial District

	Los Angeles County	First District	Second District	Third District	Fourth District	Fifth District
	(%)	(%)	(%)	(%)	(%)	(%)
Cont'd						
Obstetric History						
Previous preterm birth	8.9	9.4	10.0	8.6	8.7	7.3
Previous low birth weight	7.4	7.1	7.9	7.6	7.7	6.6
Still birth (pregnancy that did not result in a live birth)	2.1	2.4	2.2	*1.6	2.4	*1.6
Previous miscarriage	17.7	15.6	13.9	18.0	20.9	21.1
Previous abortion	17.0	16.3	16.0	17.3	17.0	18.7

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

¹Question asked: During the six months before you got pregnant with your new baby, did you talk to a doctor, nurse, or other health care worker about how to prepare for a healthy baby and pregnancy?

²Question asked: Thinking back to just before you got pregnant with your new baby, how did you feel about becoming pregnant? Respondents who answered, 'I wanted to be pregnant later' or 'I didn't want to be pregnant then or any time in the future' were coded as 'Unwanted or mistimed.'

³Question asked: Just before you got pregnant with your new baby, how did your husband or partner feel about you becoming pregnant? Respondents who answered, 'He wanted me to be pregnant later' or 'He didn't want me to be pregnant then or any time in the future' were coded as 'Unwanted pregnancy by father.' Respondents who answered 'I don't know' or 'I didn't have a husband or partner' were coded missing for this field.

Maternal Medical Conditions and Prenatal Care by Supervisorial District

	Los Angeles County	First District	Second District	Third District	Fourth District	Fifth District
	(%)	(%)	(%)	(%)	(%)	(%)
Prenatal Care						
Entered prenatal care after 1st trimester	10.1	9.9	9.8	9.1	10.4	11.5
Did not get prenatal care as early as wanted	15.6	17.2	14.2	12.1	16.3	18.2
Traveled 15 miles or more for prenatal care	12.4	10.2	12.8	12.0	10.2	17.6
Did not meet the PHS prenatal care guidelines ⁴	35.0	36.5	33.8	33.9	33.6	37.7
Dissatisfied with amount of wait time at prenatal care	18.7	20.5	19.6	19.2	17.5	16.1
Dissatisfied with amount of time spent with doctor/nurse	11.4	14.1	9.9	11.2	11.2	10.8
Dissatisfied with advice given at prenatal care	7.7	8.5	7.5	7.3	7.3	7.7
Dissatisfied with understanding/respect received	4.3	3.8	4.9	4.6	4.2	3.8
Medical Conditions During Pregnancy						
Labor pain 3 weeks before due date	16.3	17.4	16.6	14.1	17.3	15.4
High blood pressure	10.8	10.3	13.1	10.3	9.0	10.3
Gestational diabetes	12.0	12.1	12.8	12.9	10.7	11.2
Problems with the placenta	3.6	3.8	2.2	4.6	4.2	3.7
Urinary tract infection	9.2	8.6	8.6	9.6	8.9	10.5
Water broke more than 3 weeks early	5.2	5.9	5.3	5.1	5.0	4.3
Incompetent cervix	3.3	2.9	4.2	2.9	3.7	2.6
Sexually transmitted disease	3.5	3.6	4.6	2.9	2.9	3.0
Bacterial vaginosis	13.4	13.6	14.6	13.9	13.2	11.6
Periodontal disease	18.9	19.6	19.5	21.0	16.8	18.0
Risk Behaviors During Pregnancy						
Smoking	2.6	1.8	3.3	1.8	2.7	3.2
Exposure to secondhand smoke	6.3	5.7	7.9	6.7	5.4	5.4
Using illegal drugs or drugs not prescribed by a doctor	2.4	2.8	2.9	2.0	2.0	1.9
Drinking alcohol	10.5	10.3	8.9	12.4	10.3	11.5
Did not exercise during pregnancy	28.6	28.7	26.1	29.6	26.9	32.7

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

⁴Question asked: During your first or second prenatal care visit, were these part of your visit? Blood pressure measured, urine sample given, blood sample taken, height and weight measured, had pelvic exam, health history taken, ultrasound done, doctor asked about prenatal lead exposure. Those who responded "No" to any of the first six items were recoded as "PHS guidelines not met."

Psychosocial and Behavioral Risk Factors during Pregnancy by Supervisorial District

	Los Angeles County	First District	Second District	Third District	Fourth District	Fifth District
	(%)	(%)	(%)	(%)	(%)	(%)
Mental Health During Pregnancy						
Self reported depression	19.9	20.0	23.1	18.0	19.8	17.3
Social Support						
Unsatisfied with support given by the baby's father	12.0	12.6	13.1	10.2	10.7	13.1
Experienced domestic violence/intimate partner abuse ⁵	3.4	3.9	4.5	2.3	2.6	3.2
Would have someone to loan money if needed	58.3	57.4	52.0	59.0	61.6	64.1
Would have someone to help if sick	72.9	71.8	68.2	72.1	75.2	79.0
Would have someone to listen to problems	75.7	73.7	70.2	75.9	79.4	81.6
Social Environment						
Perceived neighborhood as unsafe ⁶	16.5	17.1	25.9	13.0	13.3	9.7
Stressful Life Events During Pregnancy						
Family member had to go into the hospital	17.3	17.8	16.2	17.8	17.7	17.4
Divorced/separated from husband/partner	9.2	9.7	10.5	7.9	8.5	8.8
Moved to a new address	21.2	22.4	20.8	19.8	21.9	21.2
Were homeless	5.7	6.1	7.2	4.8	5.2	4.8
Husband/partner lost his/her job	13.8	14.7	15.4	13.7	13.4	11.4
Lost job but wanted to continue working	11.6	11.1	14.2	10.0	11.3	10.2
Argued more than usual with husband/partner	30.4	31.8	30.4	28.9	30.7	29.7
Had a lot of bills that could not be paid	22.4	22.7	23.1	20.5	22.1	23.1
Were in a physical fight	3.9	5.3	4.5	3.1	3.0	3.2
Husband/partner or self went to jail	4.0	4.3	4.3	2.8	4.8	3.6
Someone close had drinking or drug problems	10.7	11.7	10.6	9.2	10.7	11.3
Someone close and important died	13.2	13.3	14.1	13.2	13.6	11.2

Psychosocial and Behavioral Risk Factors during Pregnancy by Supervisorial District

	Los Angeles County	First District	Second District	Third District	Fourth District	Fifth District
	(%)	(%)	(%)	(%)	(%)	(%)
Cont'd						
Reported Ever Experiencing Discrimination						
Any discrimination	32.2	31.9	33.5	32.2	28.9	34.6
At work	13.5	12.4	15.0	13.0	11.7	15.1
When getting medical care	6.4	7.1	5.4	6.3	6.3	7.4
When getting housing	7.0	5.8	8.0	6.1	7.8	6.9
Because of race/color	12.9	11.2	12.5	13.3	12.1	16.0
Because of gender	7.5	6.5	7.7	8.7	5.6	9.6
Because of pregnancy	13.8	14.9	14.2	14.1	12.5	13.3

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

⁵Question asked: During your last pregnancy, did the baby's father do any of the following for you? Hit or slap you when he was angry.

⁶Question asked: How would you perceive this neighborhood in terms of its safety from violence? Respondents who answered "Very Poor" or "Poor" were recoded to "Neighborhood Unsafe."

Postpartum Health By Supervisorial District

	Los Angeles County	First District	Second District	Third District	Fourth District	Fifth District
	(%)	(%)	(%)	(%)	(%)	(%)
Maternal Postpartum Health						
Had a postpartum check-up	91.5	91.6	90.2	92.3	92.8	90.8
Family planning discussed during check-up	89.8	88.5	89.8	92.4	90.4	88.1
Self-reported Postpartum Depression⁷						
Not at all depressed	41.9	40.6	42.0	42.3	42.5	42.3
A little depressed	41.1	42.0	42.3	42.6	38.0	40.4
Moderately depressed	12.0	11.8	10.5	10.2	15.0	12.5
Very depressed	5.0	5.6	5.3	4.9	4.5	4.8
Infant Health						
Had a well-baby check-up	98.3	98.3	97.7	99.2	98.1	98.4
Breastfeeding Practice						
Any breastfeeding	85.2	83.4	82.9	88.5	84.6	87.9
Baby's Sleep Environment						
Sleeps on his/her side	29.0	30.0	32.9	29.1	27.1	24.6
Sleeps on his/her back	65.3	65.1	62.0	63.8	67.2	69.3
Sleeps on his/her stomach	5.7	4.9	5.1	7.1	5.7	6.1
Ever slept with another person ⁸	79.1	81.9	83.4	77.1	75.5	75.8

*Signifies that the estimate is statistically unstable (relative standard error > 25%) and therefore may not be appropriate to use for planning or policy purposes.

⁷Questions in this section were only asked survey versions used in Waves 2-4.

⁸Question asks: How often does your new baby sleep in the same bed with you or anyone else? Those who responded "Always", "Frequently", or "Sometimes" were recoded as "Ever slept with another person."

Technical Notes

I. Methods

LAMB follows the Centers for Disease Control and Prevention (CDC) Pregnancy Risk Assessment Monitoring System (PRAMS) methodology¹ to collect data. Women are selected from birth records. Selected mothers are first contacted by mail. If there is no response to repeated mailings, women are contacted and interviewed by telephone. The survey can be administered in English, Spanish, and Chinese, with translators available for other languages. In addition, a packet with resources and information about 211 LA County, a free Los Angeles County information and referral service, is sent with the survey.

II. Sampling

The 2007 LAMB is a population-based survey with multi-level clustered sampling and over-sampling of low birth weight and pre-term births. Additional participants were sampled by Service Planning Area (SPA) and race/ethnicity to ensure an adequate sample for SPA-level analyses by race/ethnicity.

III. Data Weighting

To get a representative picture of the mothers who gave birth in Los Angeles County in 2007, the data were weighted by SPA and race/ethnicity. Specifically, raking procedures^{2, 3, 4} were used to properly weight the sample and account for the multiple sampling frames.

IV. Response Rate

There were 6,264 respondents to the 2007 LAMB survey, resulting in a response rate of 55%, based on calculations proposed by the American Public Opinion Research (APOR)⁵.

V. Statistical Methods

Point estimates and their variances were calculated using the SAS, PROC SURVEYFREQ procedures, (Release 9.2, North Carolina) to account for the complex sample design. Except those provided with an asterisk, all estimates shown met the National Center for Health Statistics (NCHS) standard of having less than or equal to 25% Relative Standard Error (RSE). The approach for presenting point estimates and their variability is adapted from the NCHS; the relative standard error is the standard error of the estimate divided by the estimate itself. Details of NCHS guidelines are available at <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/children2005/children2005.htm> (accessed Feb. 27, 2006).

In this report, $RSE > 25\%$ is used as the criterion^{6,7} for determining that the estimate is statistically unstable and therefore may not be appropriate to use for planning or policy purposes. All missing and unknown response values were excluded from individual calculations where applicable.

VI. Strengths and Limitations

Strengths: LAMB a population-based survey allowing generalization to all women with live births in 2007.

Limitations: Sample sizes for some subpopulations were too small for precise estimates. If presented, these are indicated by an asterisk. Potential sources of bias include non-response, recall bias, and non-coverage. The data can only be generalized to LAC residents who delivered live infants in the year 2007.

VII. Glossary

1. Unintended/mistimed pregnancy: just before becoming pregnant, wanting to be pregnant later (i.e., mistimed) or not wanting to be pregnant then or at any time in the future (i.e., unwanted).
2. Preterm Birth: an infant born before 37 weeks gestation
3. Respondents were considered to be overweight if their Body Mass Index (BMI) was 26.0-29.0, and obese if their BMI was >29.0. Respondents' BMI were calculated on the basis of their self-reported pre-pregnancy height and weight.
4. Low Birth Weight: an infant weighing less than 2500 grams or 5 pounds, 8 ounces at birth.
5. Meeting the Public Health Service prenatal care guidelines: meeting all the recommendations of the Public Health Service Expert Panel on the Content of Prenatal Care (1989), including having blood pressure measured, urine and blood samples taken, height and weight measured, a pelvic exam, and a health history taken.
6. Depressed during pregnancy: feeling depressed for most of the day for two weeks or longer during pregnancy.

VIII. References

1. Disease Control and Prevention (CDC) Pregnancy Risk Assessment Monitoring System (PRAMS)
<http://www.cdc.gov/prams/methodology.htm>.
2. Battaglia MP, Izrael D, Hoaglin DC, and Frankel MR. Practical Considerations in Raking Survey Data. http://www.abtassociates.com/presentations/raking_survey_data_2_JOS.pdf.
3. Cervantes FI and Brick JM. Empirical Evaluation of Raking Ratio Adjustments for Nonresponse. <http://www.amstat.org/sections/srms/proceedings/y2008/Files/301418.pdf>.
4. California Health Interview Survey. (2008) CHIS 2007 Methodology Series: Report 5 – Weighting and Variance Estimation. Los Angeles, CA: UCLA Center for Health Policy Research, 2008. <http://www.chis.ucla.edu/>.
5. American Association for Public Opinion Research (AAPOR) http://www.aapor.org/Standard_Definitions/2852.htm.
6. Behavioral Risk Factor Survey Relative Standard Error <http://www.dhs.wisconsin.gov/wish/main/BREFS/rse.htm>.
7. National Center for Health Statistics reference <http://www.cdc.gov/nchs/data/statnt/statnt24.pdf>.

Acknowledgement

Maternal, Child and Adolescent Health Programs would like to thank all of the interns who have contributed their time and effort to the 2007 LAMB Project.

LAMB constantly receives support from LA mothers. The following are comments from LAMB moms:

“I hope that my information will be helpful to all of the new mothers. Thanks.”

“I like this survey because it gives a different perspective on how we and doctors could do better when expecting a baby.”

“I appreciate your concern for mothers and babies.”

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